

CSA- North American certification for instruments in hazardous locations

by **Ray Cardinal**
Approval Engineer
Bently Nevada Corporation



Recently, we reviewed product certification options and found a number of agencies offering a variety of programs. However, the Canadian Standards Association's (CSA) cost-effective "one-stop" North American Certification and innovative services made them our best choice.

Hazardous location (haz loc) products for sale in Canada must be certified to applicable Canadian (CSA) standards. Products for sale in the USA must be certified by a testing laboratory designated by the U.S. Occupational Safety and Health Administration (OSHA) as a Nationally Recognized Testing Laboratory (NRTL). CSA is now recognized by OSHA as an NRTL, and now certifies to OSHA-recognized national standards, which are typically Underwriter's Laboratories (UL) and ANSI standards.

CSA's CSA_{NRTL/C} certification of hazardous location equipment offers a number of advantages that reduce the time and cost associated with bringing a product to market. Additionally, by using a single certification agency, we greatly reduce the time spent maintaining our certifications.

CSA's CSA_{NRTL/C} certification provides the following benefits:

- A single certification organization which provides the most innovative, flexible and responsive services available.
- One application form, fee, set of documents, and one set of tests and samples.
- Acceptance of other NRTL's test data reports (no duplicate testing).
- Concurrent follow-up inspections and the lowest annual fees in the industry.
- Reciprocal agreements with like organizations worldwide.
- A single certification mark, with full regulatory acceptance in Canada, the USA and the cities of Los Angeles and San Francisco.

CSA has certified haz loc equipment for 75 years. Due to their extensive experience with haz loc products, the CSA mark is widely accepted in the USA and throughout the world. The CSA_{NRTL/C} mark will formalize this acceptance throughout North America. CSA can provide CSA_{NRTL/C} Certification of equipment to the following:

Approval Type	CSA Standard	USA Standard
Intrinsically Safe	C22.2 No. 157	UL 913
Explosion-proof	C22.2 No. 30	UL 1203
Dust ignition-proof	C22.2 No. 25	UL 1203
Non-incendive	C22.2 No. 213	UL 1604
Industrial control	C22.2 No. 14	UL 508

CSA can also certify cables, conduit, fittings and other ancillary devices required for equipment.

You often require a "special" configuration. CSA's program options and staff are flexible and responsive to our scheduling needs. CSA's acceptance of other NRTL's test data reports and reciprocal agreements with agencies worldwide eliminates costly and time-consuming duplicate testing.

Bently Nevada will pursue CSA_{NRTL/C} certification for new products. If you have additional questions regarding hazardous location certification, contact your nearest Bently Nevada sales or service representative. ■